(April 4, 2009) Support for Federal Funding for Local Projects Building Customer Service Capacity for Serving Customers with Disabilities Request: \$50,000 The West Suburban Chamber of Commerce and Industry Foundation 9440 West Joliet Road Hodgkins, IL 60525

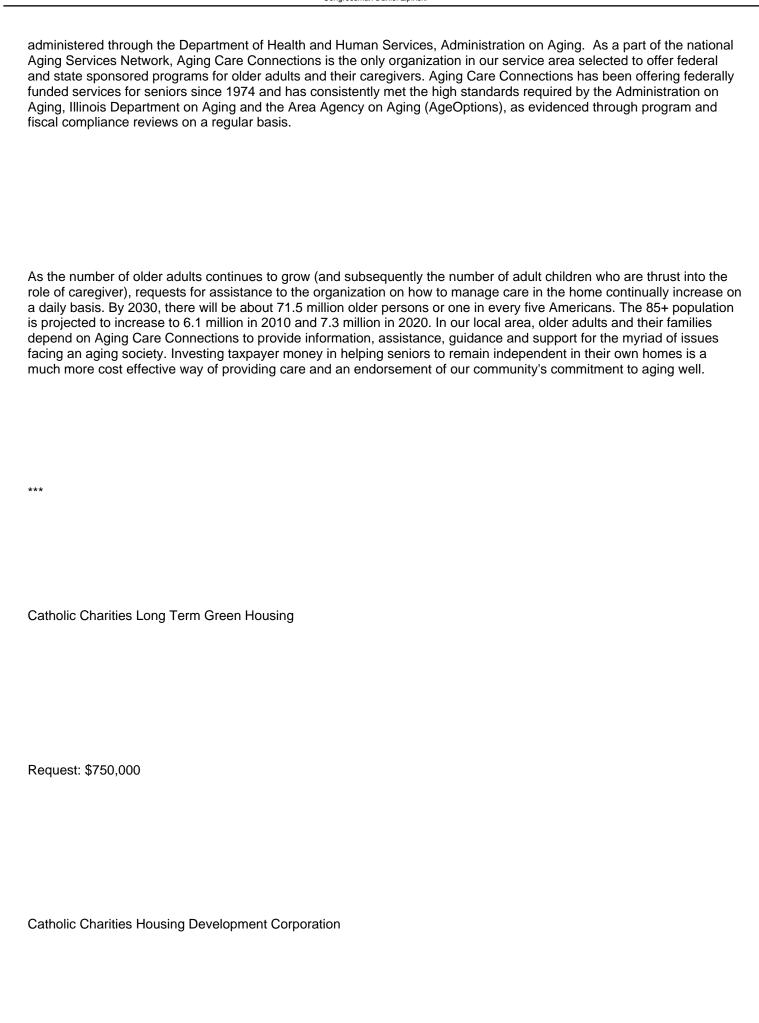
The funding would be used to develop programs that enhance understanding and capacity for service workers who interact with individuals with disabilities.

This project proposes to fill a gap in the understanding and capacity that front line service employees have in dealing with persons with disabilities through the creation of informational and education materials. This would consist of a DVD training program on serving customers with disabilities that would be made widely available.

Building Renovation Project for Senior Services, La Grange, IL
Request: \$355,000
Aging Care Connections (formerly SWSCOA)
111 West Harris Avenue
La Grange, IL 60525
The funding would be for the environmentally friendly renovation of the existing senior services facility.

Aging Care Connections (formerly SWSCOA) is the designated provider of Title III services of the Older Americans Act

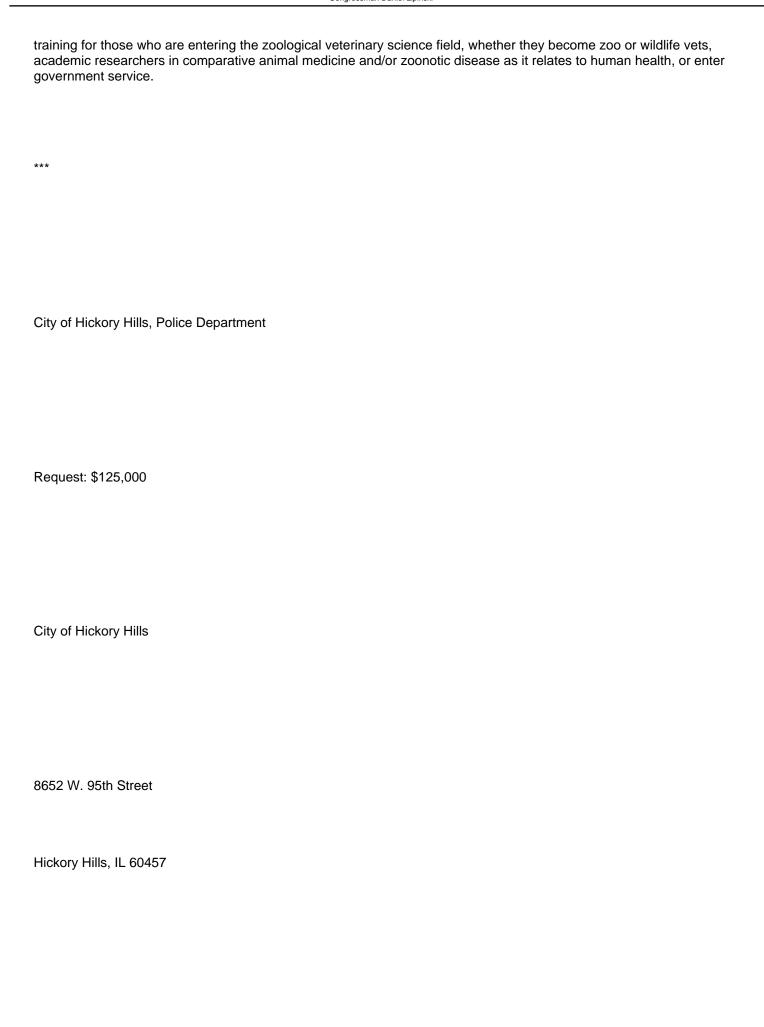
http://www.lipinski.house.gov Powered by Joomla! Generated: 30 April, 2009, 06:01

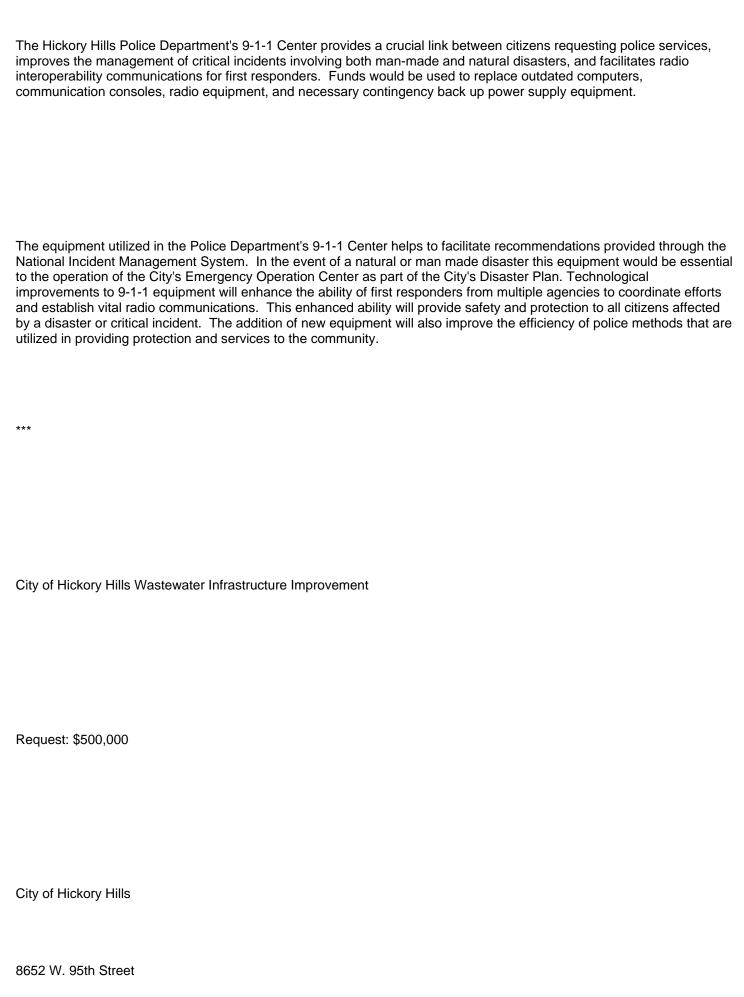


721 North LaSalle Street
Chicago, IL 60654
The funding is for the planning and construction of an advanced long-term skilled-care facility for seniors which would serve as a pilot project for the state of Illinois.
Catholic Charities Housing Development Corporation has made a real contribution to the plan to provide affordable, safe, housing for seniors in Cook County, Illinois. The Catholic Charities Green House project would truly help people transform the lives of seniors and families of seniors who require long-term skilled -care in a residential facility. The pilot project would be a State model for long-term, skilled-care housing that will be replicated in other communities.

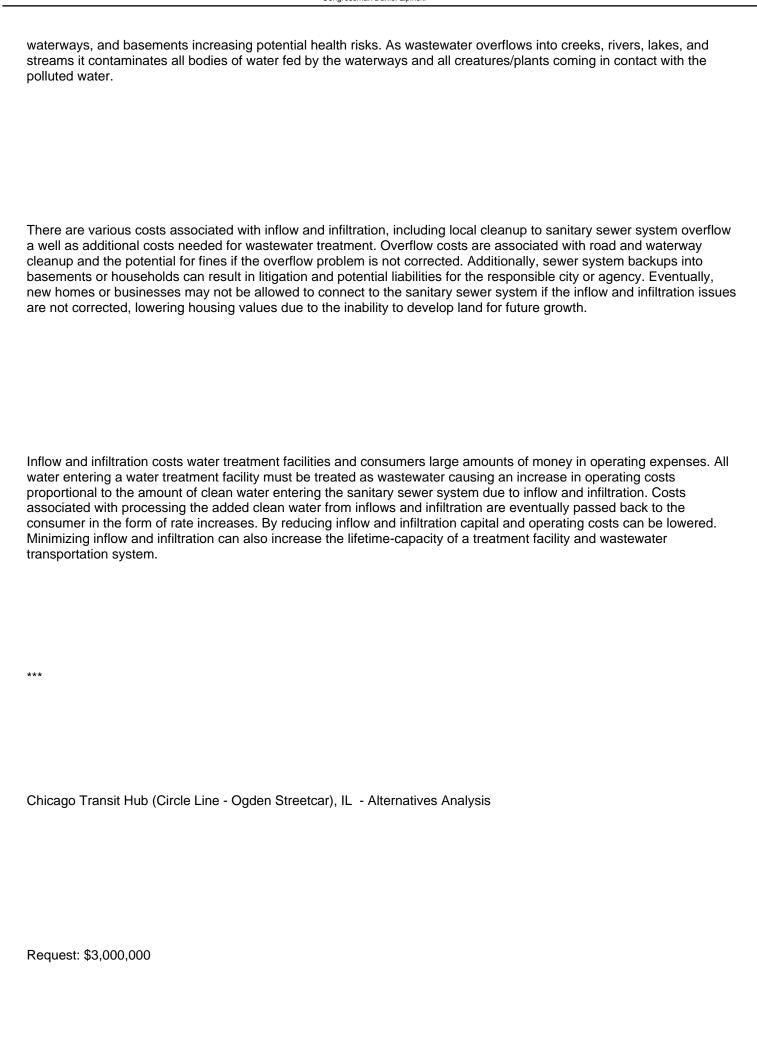
Center for the Science of Animal Well-Being (C-SAW) Zoological Veterinary Medicine Professional Training Programs
Request: \$500,000

Chicago Zoological Society/Brookfield Zoo
3300 Golfview Road
Brookfield, IL 60513
This request would help sustain and strengthen several innovative professional training programs for zoological and aquatic veterinary medicine.
There is a national shortage of zoological veterinary professionals for employment at zoos and aquariums, government agencies, and/or research facilities. Chicago Zoological Society's C-SAW programs offer veterinary students innovative training programs and exposure to cutting edge veterinary medical practices - including high tech diagnostics and treatment. The advances made in this field by current and future professionals will improve veterinary care at the participating institutions; protect and preserve endangered species; and help advance understanding in controlling and preventing the spread of diseases like West Nile Virus, Chronic Wasting Disease, and other zoonotic diseases of interest
to human health professionals as well as veterinarians.
As zoos increasingly serve as a haven for a growing number of endangered species, qualified zoo veterinarians are of utmost importance. With more than almost 220 zoos and aquariums accredited by the Association of Zoos and Aquariums in the United States, the demand for expertise in zoological medicine is enormous. This expertise is also in demand for wildlife medicine programs in parks and protected areas. There are few opportunities to gain hands-on experience with a vast array of mammals, birds, and reptiles, and such programs are highly competitive and limited. The





Hickory Hills, IL 60457
This project would help to reduce sewer overflows into streets, public waterways, and commercial buildings.
Sanitary sewers are designed to only carry wastewater from homes or businesses. Due to the aging, existing system, the infiltration of rainwater through deteriorated joints, broken sewers and cross connections add clear water to sewer systems, often filling the sanitary sewer systems to capacity. Once this happens, water will flow backward through the sanitary sewer pipe, flooding basements, and causing manholes to discharge releasing wastewater onto the street.
The construction would consist of the repair and rehabilitation of sanitary sewers. Repair and rehabilitation can include a variety of methods, but generally this project will make use of existing video, performed by the City of Hickory Hills, that isolates sections of sewer in need of repair. The video tape will provide visual evidence of leaking joints, cracked clay sewer pipe, protruding taps, and illegal cross connections. Repair methods will consist of point repairs (isolated sections of sewer that are so badly cracked, they need to be replaced in their entirety) and cured in place sewer lining.
The cured-in-place lining process involves inserting a resin-saturated flexible lining into the existing sewer. Air or water is forced into the tube, which causes it to fit tightly to the existing sewer walls. The resin hardens, completing the curing process. When the curing process is completed, a new pipe has been created that is free of cracks and holes that allow rainwater and roots to enter the sewer and cause operational problems such as stoppages and overflows.
The inability of the existing sanitary sewer to contain raw sewage puts public health at risk and violates state and federal environmental regulations. Sanitary sewer overflows release wastewater and potential pathogens onto streets, into



Chicago Transit Authority
567 W. Lake
Chicago, IL 60661
The funding would be used towards completion of alternatives analysis for the Circle Line Project.
As one of major transportation hubs in the United States, Chicago roadways are very congested. This project will alleviate some of that congestion by extending a successful rapid transit line to customers in an area lacking this kind of transit service. Funding for this project would be in accord with the FTA's support of locally planned and operated mass transit systems throughout the United States.
The Chicago Transit Hub (Circle Line - Ogden Streetcar) Project, which is currently in Alternative Analysis, will connect the existing CTA Orange Line near Ashland with the existing Pink Line Cermak Branch near 18th Street. Also, the project will connect the CTA Red and Brown Lines near North/Clybourn with the existing CTA track, and structure near Lake/Paulina. The project will also add new CTA and Metra transfer stations along new and existing CTA tracks to the northwest, west, southwest, and south of Chicago's Central area. A new rail yard facility and rolling stock will also be added. This project has received previous appropriations of \$6 million in FY2009 under the New Starts Section 5309,
\$3.9 million in FY2008 under the Alternative Analysis Section 5339, \$1 million in FY2006 under the New Starts section

5309, \$4.4 million in FY2004 under the Non-New Starts Section 5309, \$27 million in FY2003 in Formula Funding section

5307.

Cook County Environmental Infrastructure (COOK COUNTY, IL)
Request: \$1,000,000
U.S. Army Corps of Engineers (Chicago District)
111 N. Canal Street
Chicago, IL 60606
Cilicago, IL 00000

The Cook County Environmental Infrastructure fund works to modernize, enhance, and improve Cook County's aging environmental infrastructure system.
This project specifically provides technical planning, design and construction assistance to non-federal interests who have environmental infrastructure needs in Cook County, Illinois. Projects include the development and protection of water supply and waste water systems; combined sewer overflows; and remediation of adverse water quality impacts and storm water impacts to waste water systems.

Countryside Street Repair
Request: \$500,000
City of Countryside

5550 East Avenue
Countryside, IL 69525
The funding would be for the repair of various streets, including Kensington Avenue, 61st Street, 57th Street, as well as others.
This street repair project will help improve the movement of traffic through the region, improve safety, and create good paying local jobs. Roads in good condition are an important contributor to economic development and are an important contributor to the local housing market.

Diamond MEMS Sensors for Real-Time Sensing of Weaponized Pathogens

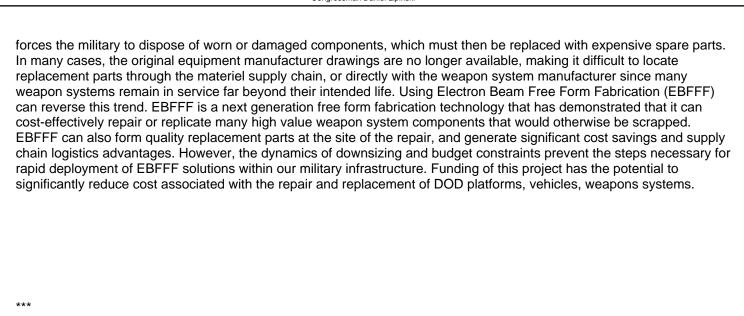
Request: \$2,500,000
Advanced Diamond Technologies, Inc.
429 B Weber Road # 286
Romeoville, IL 60446
The funding would be used to develop a wearable sensor to detect weaponized pathogens utilizing the unique properties of diamond.
This project will address the two major problems with current systems used to detect weaponized chemical and biological pathogens. First, compact and reliable devices for first responders or warfighters to detect weaponized pathogens simply do not exist despite years of research and a clearly increasing need to protect these individuals. Second, pathogendetecting sensor technologies that are currently available use materials that are inherently unstable which leads to unreliable operation.

The unique properties of diamond can solve these problems. ADT's diamond technology has outstanding electrochemical properties, which, in addition to its other unique properties, translates into high-sensitivity for real-time detection. Diamond is also extremely hard, resistant to wear and chemically and biologically inert, providing a stable platform for detection devices that will not deteriorate over time or with repeated use. Success in this project would have enormous pay offs, and the societal benefits will be substantial-ranging from improved safety for our warfighters to improved response times in hazardous material or environmental situations-through rapid detection of airborne pathogens and chemicals. ADT, as a small business, would not be able to fund this project on its own. Federal funding will provide a critical infusion of resources, allowing ADT to adapt its unique technology to help defend our country against chemical or biological attack both at home and abroad.
The purpose of the project is to develop a wearable sensor to detect weaponized pathogens utilizing the unique properties of diamond. ADT's patented diamond technology will be used as a platform to enable a new class of compact wearable chemical and biological point sensors, with unprecedented sensitivity, stability, and reproducibility. These sensors would be extremely compact and capable of monitoring the presence of pathogen molecules in real time. The unique properties of ADT's diamond technology will overcome the limitations of current pathogen detection technologies ADT will develop chemical and biological sensors that are scalable and can be integrated with emerging microtechnologies as well as embedded in fabrics.

E-Beam Free Form Repair Qualification

Request: \$5,000,000

Congressman Daniel Lipinski



Emergency Generator Replacement

Request: \$150,000

Village of La Grange Park

447 N. Catherine Avenue

La Grange Park, IL 60526
The funding would be used to replace a 30-year old generator that provides power to the emergency communications center and various portions of the fire department.
Penlacement of the existing generator with a new generator (and related equipment) would ensure reliable emergency
Replacement of the existing generator with a new generator (and related equipment) would ensure reliable emergency power supply to crucial first responder functions and maintain communications during power outages. Police and Fire Departments are dispatched for the Village's communications center. Additionally, the communications center is the heart of the Village's capacity to communicate and maintain contact with first responders in the field. These funds will go directly to providing for the safety and security of the residents of La Grange Park and surrounding communities.

Employment Opportunities Pre-Apprenticeship Program/ Small Business Development Program

Request: \$260,000
Hispanic American Construction Industry Association
901 W. Jackson Blvd.
Suite 205
Chicago, IL 60607
The funding would be used to conduct a comprehensive employment and apprenticeship training for construction industry trade opportunities (Employment Opportunities Pre-Apprenticeship Program), as well as and skill development programs for small businesses and entrepreneurs (Small Business Development Program).
The Employment Opportunities Pre-apprenticeship Training Program will include an eight week comprehensive review of the construction industry and will help participants determine which construction trade or apprenticeship program to pursue as a career. Primary construction trades will be emphasized during the course of the training. Industry professionals, including HACIA members will provide presentations and will be encouraged to consider qualified participants for future employment. Trade union representatives and vocational institution representatives will be

encouraged to participate by conducting classes.
With the Small Business Development Program (SBD), HACIA will offer customized training workshops to assist entrepreneurs and small businesses develop the necessary skills that will enable them to maintain or expand into new business markets. This program will deliver up-to-date management advice, training and information to help business owners make sound decisions and to assist potential owners in getting started on the right foot as they begin to build capacity to perform on the Prime level. The SBD Program will also address methodologies associated with Green Building and assist the contractors with the technical portion associated with the bidding and estimating of Green Building projects.
These programs will enable individuals to develop the necessary skills to secure good-a paying job or expand their smal business.

Health and Physical Education Program
Request: \$160,000

Aquatic: Learn to Swim, Swim Team, Underwater Hockey, CPR Training, and Life Guarding.
Game Room: Billiards, Foosball, Ping Pong, and Board Games.
Fitness Center: They will also instruct the youth in beginning and advanced strength training with free weights. Cardiovascular method training will be used on the treadmills, stationary bikes and rowing machines.
Gymnasium: Aerobic exercise will also be introduced with the instruction of various sports such as Basketball, Volleyball Football and Floor Hockey.
Finally, a healthy nutrition will be instilled into the daily eating habits of the youth by offering health workshops. They are youth led in which our Keystone & Torch Club participants educates the youth on various topics such as "Eat to Live, No Live to
Eat," "Eating Disorders," and "Truth about Fast Foods."
This program will reinforce the benefits of good exercise/fitness habits on growth, mental well-being and overall healthy lifestyles.

HOFFMAN DAM, IL	
Request: \$200,000	
request. \$200,000	
U.S. Army Corps of Engineers (Chicago District)	
111 N. Canal Street	
Chicago, IL 60606	
•	

Funding would be used to move forward with PCA execution and design completion/next phase of this project.
The project will alleviate the ill effects of three low-head dams along the Des Plaines River near the Villages of Riverside and Lyons, Illinois. These dams no longer serve their original purpose or create recreational pools and currently impede the migration of fish, impair water quality and have converted riverine habitat to stagnant reservoir habitat to stagnant reservoir habitat. Additionally, the dams annually create a safety hazard for river users resulting in fatal accidents of recreational boaters. The proposed project seeks to remove the Armitage and Fairbanks dams and to notch the Hofmann dam in order to restore riverine conditions. This project has moved through the feasibility report state (12/2006); the Project Cooperation Agreement is complete. Design and implementation were put on hold due to lack of Federal and non federal funding.
This project will advance the efforts to improve water quality in a highly urbanized area as well as improve safety to those users of the river as a recreational asset. This river was key in the expansion of the nation; restoring it will ensure its health long term.

Illinois Energy Resources Center at the University of Illinois at Chicago
Request: \$2,000,000

The effort will assists in the implementation and installation of existing and new technologies to reducing energy costs, waste and pollution reduction. More importantly this effort will work with business, industrial, commercial and residential customers to encourage cost effective investments in energy efficiency and renewable energy capital projects. This effort

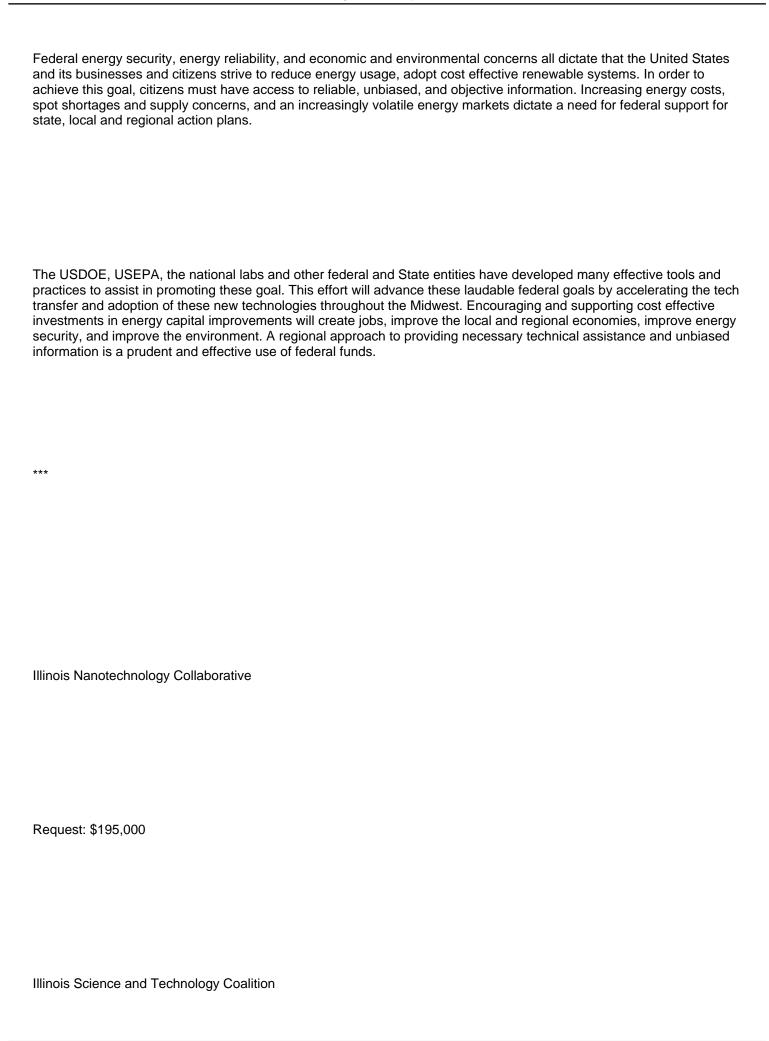
http://www.lipinski.house.gov Powered by Joomla! Generated: 30 April, 2009, 06:01

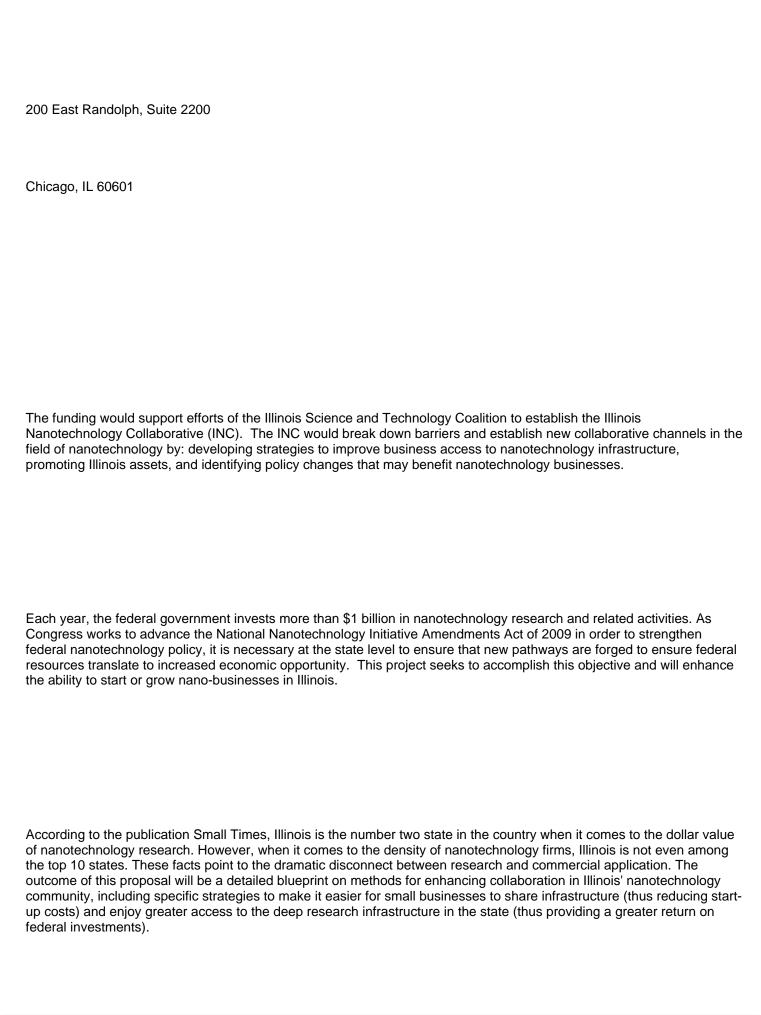
as a responsibility of the U.S. Department of Energy, which is not currently funded.

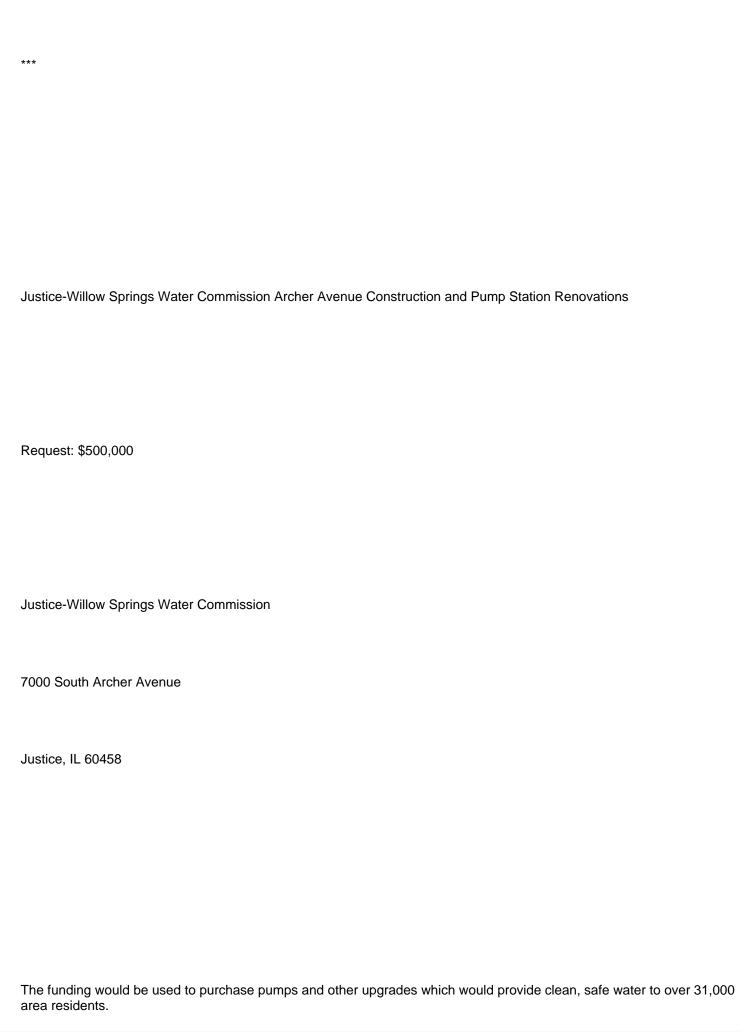
will include specific information on:

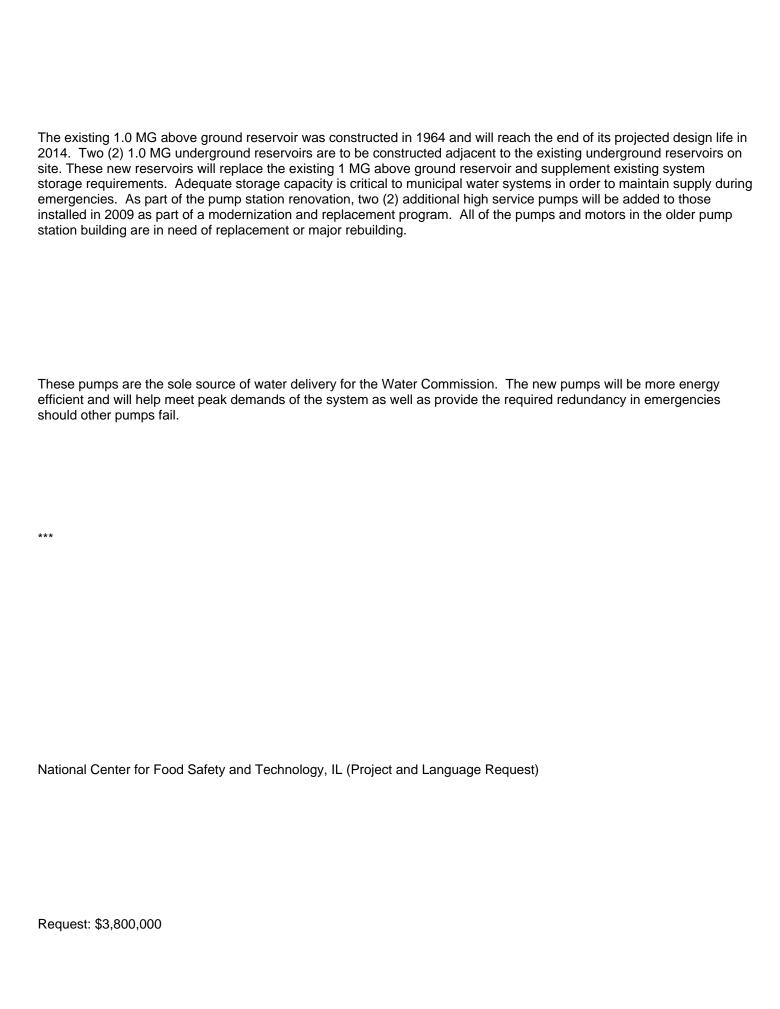
- Energy Efficient Design
- Energy Assessments for Industrial and Institutional Clients
- Total Resource Management for Industrial Clients
- Combined Heat and Power Applications
- Energy Efficient Buildings and Indoor Air Quality
- Renewable and Alternative Energy Systems
- Advanced HVAC Research and Technology Development, and Tech Transfer
- Anaerobic Digesters and on Farm Clean Electricity Production
- Aggregation of Consumers and Bulk Energy Purchasing Efforts
- Residential Energy Efficiency Projects and Incentives
- LED and Other Advanced Lighting Technologies
- State, Utility, and Local Government energy efficiency incentive programs
- Market Transformation Programs
- USDOE, USEPA and USDA Energy programs, Incentives and Best Practices.
- Biofuels Information and Incentives
- Dissemination of Energy Research
- Outreach and educational programs on the importance of transforming non-food lingo-cellulosic raw materials such as switchgrass, popular trees, forest waste, agricultural residues and algae to renewable fuels.
- Dissemination of methods to improve the efficiency of solar cells.

The College of Engineering at the University of Illinois at Chicago, through its Energy Resources Center as a part of the Department of Mechanical and Industrial Engineering and affiliated Departments and Schools including the Departments of Chemical and Electrical and Computer Engineering, which has complimentary expertise and will also play a key role in the attaining the overall objectives of the proposed program has the capabilities and expertise to utilize these additional resources to greatly expand current efforts to promote the economic and environmental benefits of cost effective investments in proven and cutting edge energy efficiency and renewable technologies. The overall goal of this effort will be to accelerate the market transformation for proven energy saving products and investments, while encouraging the early adoption of new and developing technologies.







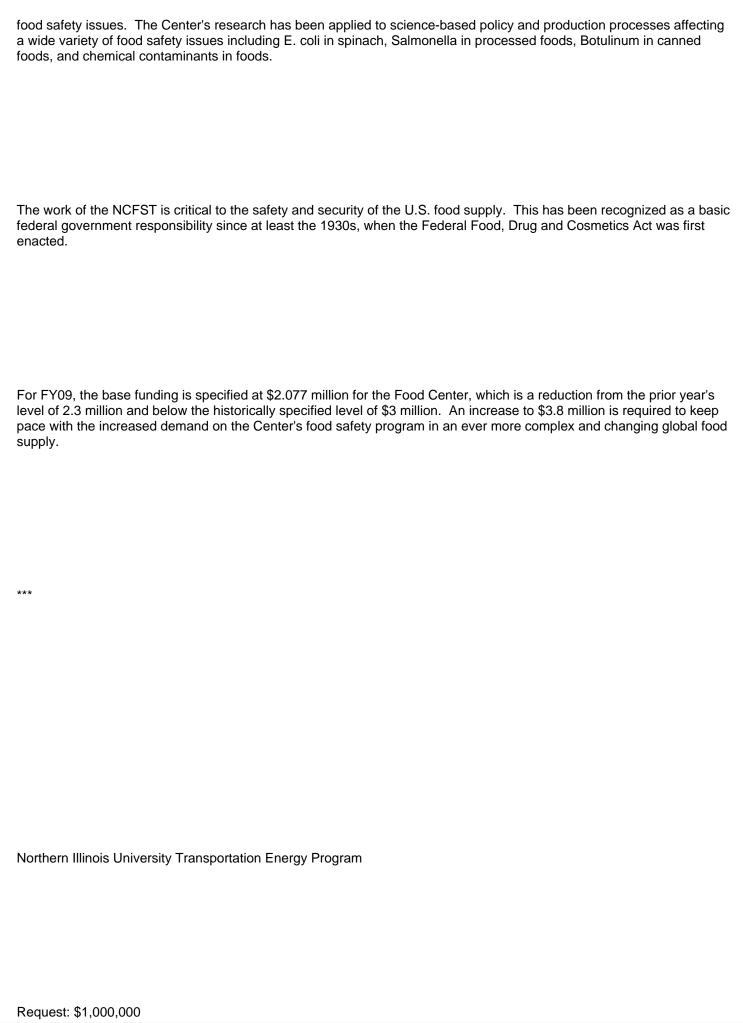


NCFST is a food safety research center funded in part over the past 20 years through a cooperative agreement with the FDA's Center for Food Safety and Nutrition (CFSAN). NCFST provides a collaborative environment where scientists from industry, academia, and government pool their scientific expertise and institutional perspectives to proactively resolve

http://www.lipinski.house.gov

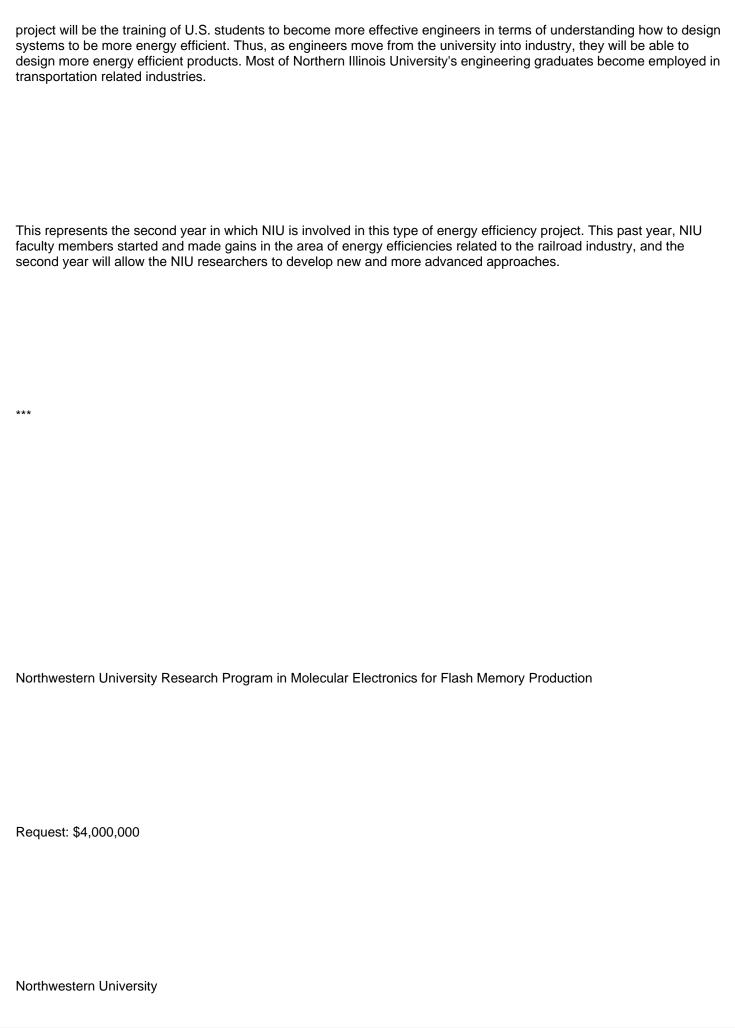
Powered by Joomla!

Generated: 30 April, 2009, 06:01



The project team will also extend the application of bio-based fuels in this area of transportation. A by-product of this http://www.lipinski.house.gov
Powered by Joomla!

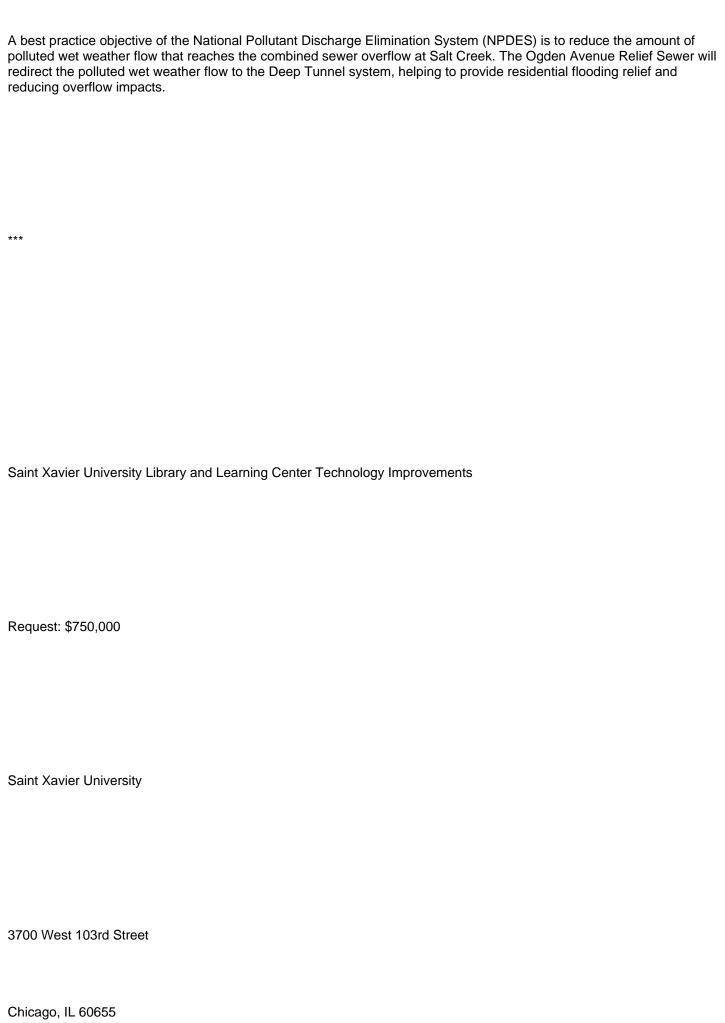
Generated: 30 April, 2009, 06:01

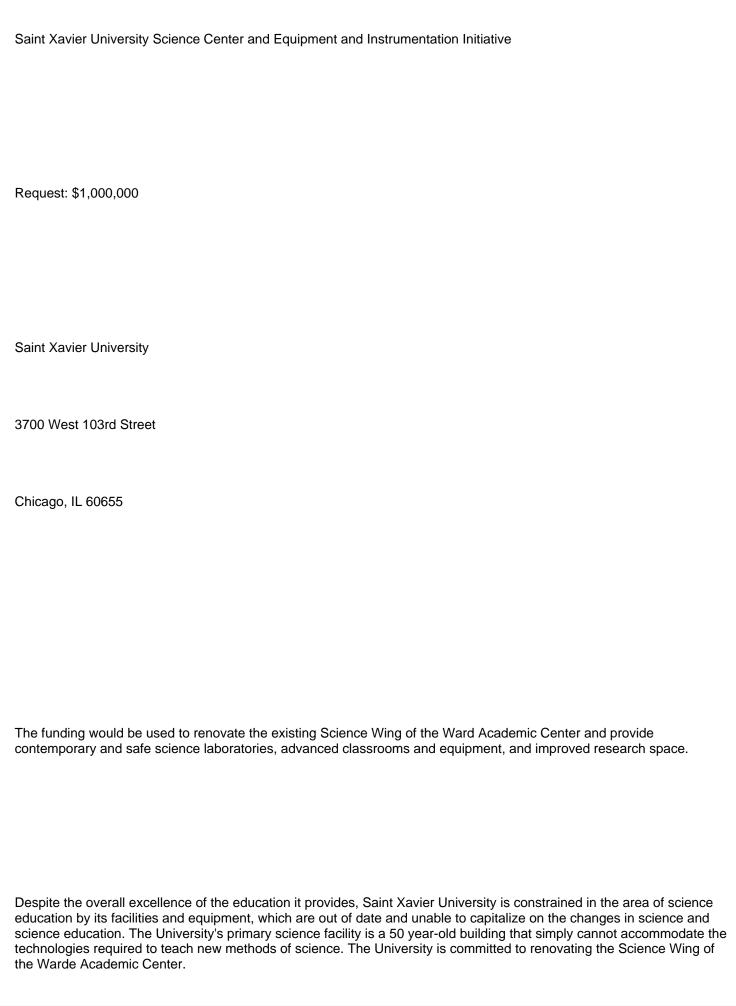


Flash Memory Production: They propose to construct an ultra-dense flash memory, which can be written with the end of

a 2-volt battery and then eradicated, at will, with light.
Robust Molecular Memory: They are developing ultra-porous, highly crystalline, network materials that represent a revolutionary departure in fabrication, so as to render switchable components more robust and everlasting.
Fundamental Investigations in Molecular Electronics: Their research will allow us to lay the fundamental groundwork for measuring the transport properties of novel molecular electronic components (e.g., switches, diodes, and resistors).
Northwestern University, through its world-renowned International Institute of Nanotechnology (IIN) and recently established Center for Integrated NanoSystems (CINS), is a global leader in the design and fabrication of molecular memory and logic on a nanometer scale for use in communication devices. Over 15 start-up companies, with over \$300 million of venture-capital investment, have emerged from IIN inventions, with numerous tools and technologies now finding their way into the marketplace in the U.S. NanoInk, an Illinois company that has raised over \$50 million in venture capital, has commercialized a nanotechnological tool, called NScriptor, for doing Dip Pen Nanolithography (DPN). Nanosphere Inc another Illinois company spun from Northwestern's research - most recently raised \$110 million in a public offering, and has commercialized a suite of low-cost, genetic-testing systems that will enable hospitals to test patients for ailments ranging from heart disease to cancer. An investment in molecular electronics for flash memory production will serve to broaden the scope and influence of the IIN in soldier nanotechnologies.

Ogden Avenue Relief Sewer (Phase I from Gordon Park to La Grange Road)



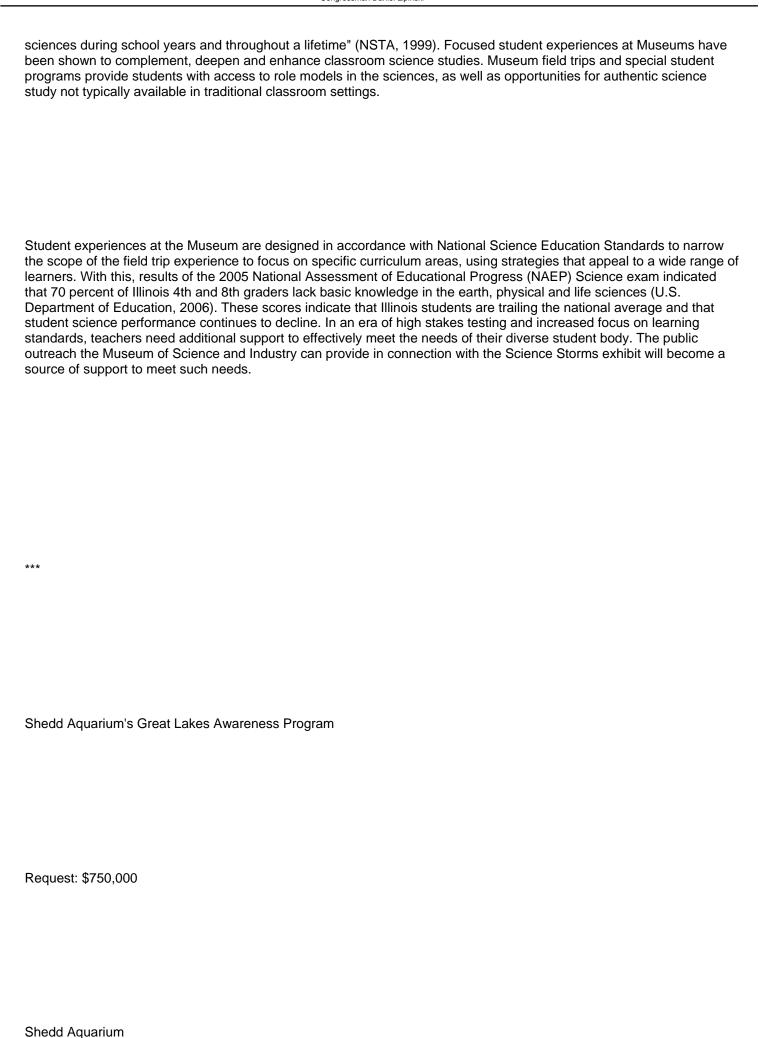


This modernization will address the following:
-Biological laboratories that contain biologically active materials or involve the chemical manipulation of these materials. This includes laboratories that support such disciplines as biochemistry, microbiology, cell biology, biotechnology, immunology, botany, pharmacology, and toxicology.
-Chemical laboratories supporting both organic and inorganic synthesis and analytical functions, and laboratories in material and electronic sciences.
-Animal laboratories for the manipulation, surgical modification, and pharmacological observation of laboratory animals.
-Physical laboratories for physics instruction; they incorporate lasers, optics, nuclear material, high and low temperature materials, electronics, and analytical instruments.
The cost of maximizing the educational potential of the University's science facilities by upgrading laboratories and incorporating technology throughout is staggering. But the high-technology equipment needed to perform and teach new methods of science must be integrated into the renovated facilities or the value of these facilities will never be realized.

The centrality of science and technology in our daily lives has never been greater. Educating future teachers, researchers, clinicians, technologists, public health officials, policy makers, and others is one of the most pressing responsibilities of American higher education today. With the rapid changes occurring in the sciences, students entering college in 2009 will have opportunities to work in areas of science and technology that haven't even been developed yet. Exposing these students to state-of-the-art science facilities and equipment will provide them with a strong incentive to explore all avenues available in the science professions.
Saint Xavier University is committed to advancing the scientific training of a new generation of undergraduate students. However, success in meeting the national need for individuals with the potential to lead a scientific renaissance depends on the University's ability to strengthen its scientific curricula and enhance student engagement in the sciences. To do so, it is imperative that Saint Xavier modernize and expand its science facilities for teaching and research.

Science Storms
Request: \$1,500,000

Museum of Science and Industry
57th Street and Lake Shore Drive
Chicago, IL 60637
The funding would be used for the development and public outreach associated with its new iconic exhibit, Science Storms. The exhibit will utilize fascinating exhibitry, including an indoor four-story tornado, a contained lightning exhibit, and a 20' diameter avalanche to teach basic principles of physics, chemistry, materials science, motion and forces. Public outreach for Science Storms includes multiple daily science demonstrations within the exhibit, curricula integration into after-school programs in Chicago communities, programming for students who visit the Museum as part of a class, and multiple programs at the Museum for school-aged children.
Illinois is privileged to have two Department of Energy National Laboratories conducting research in the state: Argonne and Fermi. The Museum currently is collaborating with scientists at Fermi and Argonne National Laboratories. Science Storms will leverage the knowledge and research from Argonne and Fermi to bring cutting-edge research and emerging science to the Museum. By showcasing the significant work accomplished at Argonne and Fermi, the exhibit will increase visibility for the labs, and will provide a more substantial learning experience for our visitors of all ages.
The National Science Teacher Association's Position Statement on Informal Science Education notes that, "A growing body of research documents the power of informal learning experiences to spark curiosity and engage interest in the



Launched in 2005, Shedd Aquarium's Great Lakes conservation program raises awareness of Great Lakes issues and inspires action by integrating all the ways that Shedd Aquarium communicates with the public. These communication pathways include:
-The "Listen to your Lakes" awareness campaign and website
-Exhibits, such as the Great Lakes Invasive Species exhibit
-Educational programs
-Community outreach
-Proactive and reactive public relations opportunities

-Networking and collaborating with colleagues from governmental agencies and non-governmental organizations

Sidewalk Replacement, Merrionette Park, IL
Request: \$200,000
Village of Merrionette Park
11720 Kedzie Avenue
Merrionette Park, IL 60803

The funding would be for the removal and replacement of deteriorated sidewalk throughout the village.
The proposed construction would consist of the removal and replacement of deteriorated concrete sidewalk throughout the village. New sidewalks would improve the safety of area residents, and support the everyday needs of the community.

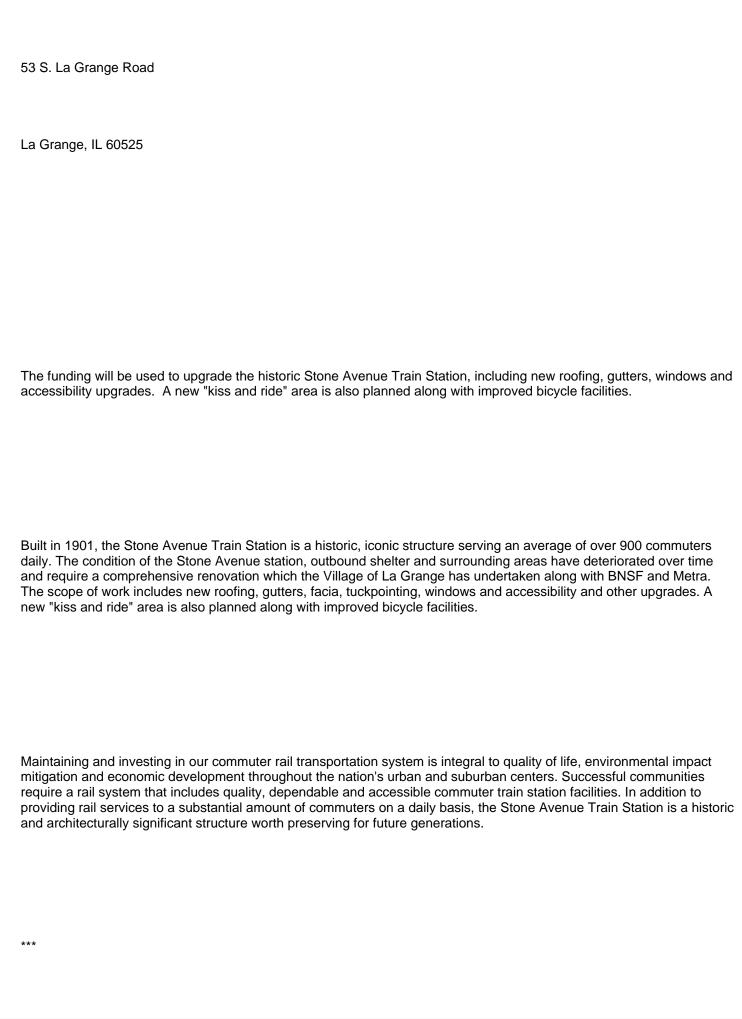
South Fork, South Branch, Chicago River (Bubbly Creek), IL
Request: \$1,000,000
U.S. Army Corps of Engineers (Chicago District)
111 N. Canal StreetChicago, IL 60606-7205

Funding would be used for the Army Corps to continue work on a feasibility study for restoration of Bubbly Creek, a contaminated segment of the Chicago River located in an area that is undergoing extensive residential and commercial redevelopment. This project will help inform future projects aimed at restoration of contaminated sediment. The project is occurring on a federal navigable waterway. As a result, it fits squarely within the jurisdiction and responsibility of the Corps.

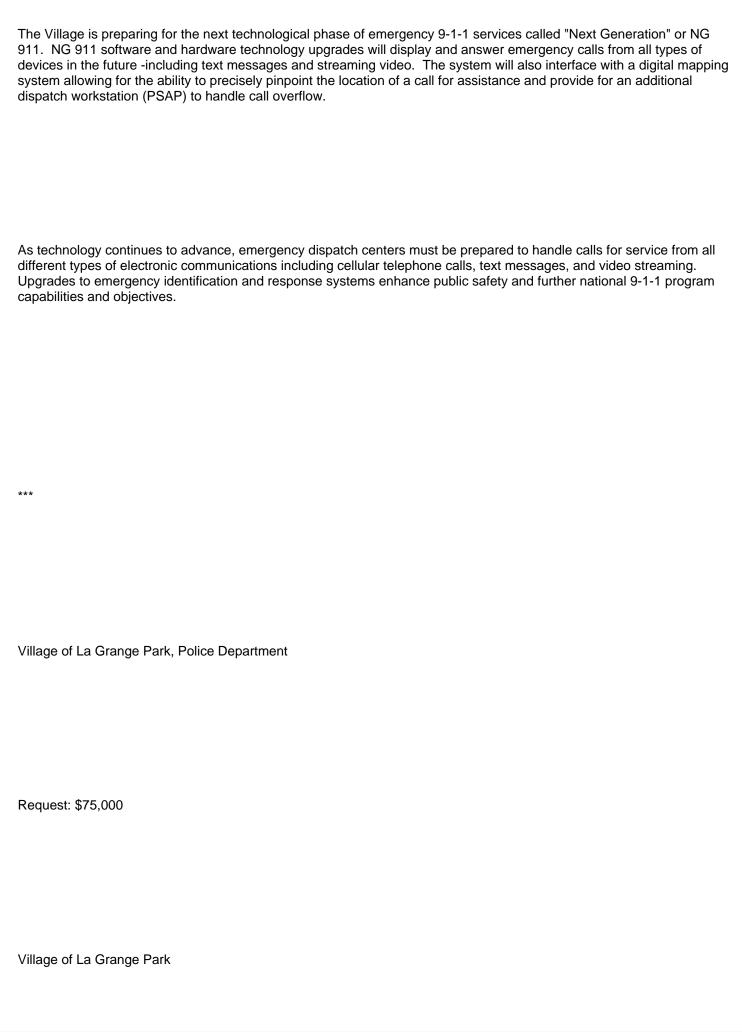
Southwest Central Dispatch 9-1-1 facility upgrade
Request: \$2,325,000
Southwest Central Dispatch
7611 West College Drive
Palos Heights, IL 60463

The funding would be used to support technology upgrades at an overburdened 9-1-1 call center that services over 250,000 Illinois residents.
Southwest Central Dispatch is a regional emergency communication center providing 9-1-1 service to multiple city police and fire departments and fire protection districts. The center provides 9-1-1 service for a service population of 250,000 people and is the backup 9-1-1 facility to the Cook County Sheriff and District 19 MABAS which increases the service population to over 3,000,000 people. This project is a good use of taxpayer resources because the overburdened facility is in need of various technological and other upgrades in order to adequately provide for the safety and security of the citizens of southwest Chicago.

Stone Avenue Train Station, La Grange IL
Request: \$500,000
Village of La Grange







447 N. Catherine Avenue
La Grange Park IL, 60526
The funding would enhance public safety through the purchase of upgraded equipment needed to enhance the department's interoperability capabilities.
This project consists of procuring the necessary equipment to enhance the department's interoperability capability to communicate with other agencies when responding to calls requiring a joint presence or action. This equipment includes several in-car video cameras with the capability to stream directly to the Cook County Emergency Operations Center, incar radios with sufficient channels to provide interoperability, interoperable hand held radios carried by each officer, and the associated computer servers and ancillary equipment.

Village of Oak Lawn, Police Department
Request: \$200,000
Village of Oak Lawn
9446 South Raymond Avenue Oak Lawn, IL 60453
Oak Lawn seeks to acquire and deploy village-wide camera systems and associated hardware to permit first responders to view and access interior and exterior camera system data during emergencies. Cameras are place today are in Oak Lawn schools, the train station, parking garage, and key intersections but they are not linked to personal computers in police vehicles. Acquisition and installation of this equipment will enhance public safety and emergency response as officers in the field will be able to view and assess various situations from their police vehicles, allowing for improved assessment of developing situations and faster response for public safety and crime prevention.

Water and Stormwater Improvement Project for 111th and Cicero Avenue
Request: \$500,000
Village of Oak Lawn
9446 South Raymond Avenue
Oak Lawn, IL 60453
The funding would be used to provide a new creek with stable banks and planting at Stony Creek and would provide
important assistance for the prevention, reduction, and elimination of water pollution.

As part of the TIF mixed use development project in the Village of Oak Lawn at 111th and Cicero Avenue, an extensive environmental restoration and stormwater management infrastructure improvement is required. Oak Lawn has partnered with the Metropolitan Water Reclamation District of Greater Chicago and their engineering consultants CH2MHILL and Burke Engineering to make these improvements.